

1   **WHAT IS CLAIMED IS:**

2           1. A staple apparatus to staple stacks of paper of different thickness for a  
3   stapler having a base with a cavity and a staple opening, a mounting bracket  
4   attached to the base, a stapling mechanism with a staple driver guide and a lever  
5   with a proximal end and a distal end pivotally mounted on the mounting bracket  
6   and the apparatus comprising:

7           an inner base having a top and adapted to be mounted in the cavity in the  
8   base;

9           a sliding bracket mounted slidably on the top of the inner base;

10          a cutting anvil mounted on the top of the inner base, adapted to be  
11   located below the stapling opening and having a top and two opposite side  
12   cutting edges;

13          a cutter mounted on the top of the inner base and the cutter comprising  
14          two articulated arms mounted on the top of the inner base, each  
15   of the articulated arms having a distal end pivotally connected to the sliding  
16   bracket and a proximal end pivotally attached to the top of the inner base; and

17          two bending templates mounted respectively on the articulated  
18   arms and aligned with the cutting anvil, each of the bending templates having a  
19   top, a bottom protrusion with a bottom, a top protrusion formed on the top and  
20   having a top surface, an inside face and a bending slot defined vertically in the  
21   inside face of the top and the bottom protrusions and the top surface of the top  
22   protrusion, and the bottom of each of the bottom protrusions being level with the  
23   top of the cutting anvil; and

24          a cutter actuator adapted to be mounted on proximal end of the lever and

1 corresponding to the sliding bracket to selectively move the sliding bracket and  
2 simultaneously pull the articulated arms thereby the articulated arms approach  
3 each other as the lever is pivoted;

4 wherein the bottom protrusions of the bending templates are  
5 respectively moved by the articulated arms to shear excess length off the pointed  
6 legs of the staple by the side cutting edges as the articulated arms approach each  
7 other, and the top protrusions of the bending templates bend respectively the  
8 uncut pointed legs of the staple.

9 2. The staple apparatus as claimed in claim 1, wherein the sliding  
10 bracket comprises a sliding base slidably mounted on the top of the inner base  
11 and a vertical wing with an actuating slot extending upward from the sliding base;  
12 and

13 the cutter actuator comprises two wings adapted to be formed integrally  
14 on the proximal end of the lever and extend respectively into the inner base, and  
15 an actuating pin attached transversally between the wings to selectively engage  
16 the actuating slot in the sliding bracket when the lever is pivoted.

17 3. The staple apparatus as claimed in claim 1, wherein each of the  
18 articulated arms comprises a pivoting arm and a movable arm that are pivotally  
19 joined together, and the bending templates are mounted respectively on the  
20 pivoting arms and aligned respectively with the side cutting edges of the cutting  
21 anvil.

22 4. The staple apparatus as claimed in claim 2, wherein each of the  
23 articulated arms comprises a pivoting arm and a movable arm that are pivotally  
24 joined together, and the bending templates are mounted respectively on the

1 pivoting arms and aligned respectively with the side cutting edges of the cutting  
2 anvil.

3           5. The staple apparatus as claimed in claim 3, wherein the bending slot in  
4 the top surface of the top protrusion of each of the bending templates is formed at  
5 an acute angle relative to the inside face.

6           6. The staple apparatus as claimed in claim 4, wherein the bending slot in  
7 the top surface of the top protrusion of each of the bending templates is formed at  
8 an acute angle relative to the inside face.